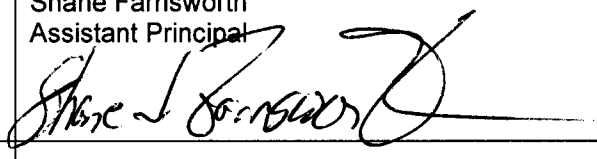
Solar Terrestrial Probes/Living With A Star
Activity Log Sheet

Activity Log for 20-Hour (Minimum) Commitment

Teachers are required to complete three activities: powerpoint presentation, a lesson-study video, and a sun-earth day activities by March 31, 2005. Please try to enroll other colleague(s) to work with you. Get another teacher(s) to apply for our summer institute 2005 on-line. Please complete one activity log for each outreach activity and obtain the signature of your immediate supervisor.

CONTACT INFORMATION: LEADERSHIP ACTIVITY LOG

Your name, home address, and phone number, email address	Ellen Doane 395 North Peach Street Santaquin, UT 84655 801-754-1600 edoane40@msn.com
School name, mailing address, phone, fax, email address, web address	Timberline Middle School 500 West Canyon Crest Road Alpine, UT 84004 801-763-7005/801-763-7046 (fax) edoane@alpine.k12.ut.us www.timberline.alpinedistrict.org
Supervisor's (Principal or Chair's) name, title and signature	Shane Farnsworth Assistant Principal 
District name, mailing address, phone, fax, email address, web address	Alpine School District 575 North 100 East American Fork, UT 84003 www.alpine.k12.ut.us
Superintendent's name and title	Vernon Henshaw Superintendent
Workshops attended (title, location and date) Title of activity/ event/process	Genetics – University of Utah 7/12-16/04 Learning Science through Inquiry – University of Utah 9/16-17/04 Science in Focus – University of Utah 1/12-13/05 Multiple Intelligences – University of Utah 2/14-3/6/05

Activities Location and date	1. Watched a movie of a prominence eruption in H-alpha and a coronal mass ejection in white light. November 10, 2004 Timberline Middle School. 2. Graphing Sunspot Cycles Activity. December 16, 2004 - Timberline Middle School. 3. Sunspot Quiz. January 7, 2005 - Timberline Middle School. 4. Sunspots in History. January 11, 2005 - Timberline Middle School.
Goals/Outcomes	The goals of the activities was to teach the students about sunspots – what and where they are, the history of sunspots, solar cycle, who first observed sunspots, and being able to identify sunspots.
Short description of the activity	Graphing Sunspot Cycles Activity The students will determine existing patterns in sunspot numbers, plot sunspot numbers to determine the relationships and then determine the approximate number of sunspots for a year in the near future.
Names of other collaborators	Suzanne Hilbert Cheryl Fugal Kristi Askew
Number of participant-teachers and/ or community participants	150 Students 4 Teachers 5 Parents
Level of those involved (elementary, secondary, pre-service, etc.,	Secondary – 7^{th} – 9^{th} Grades

Number of contact hours	7 Class periods (85 minute classes)
Number of preparation hours	45 hours
Number of 'homework' and/or field hours	30 hours
Materials (equipment, program materials, publications, software, etc.)	http://www.windows.ucar.edu/tour/link=/sun/atmosphere/sunspots.html http://www.windows.ucar.edu/tour/link=/teacher_resources/suncycle_edu.html http://www.windows.ucar.edu/tour/link=/sun/solar_activity.html Sunspot numbers worksheet Pencils Graph Paper
Supplemental activities (if applicable)	Sunspots Worksheet FAQS about the Sun Worksheet Book – The 23rd Cycle: Learning to Live with a Stormy Star
NASA materials used (web or hard copy)	The Dynamic Sun CD http://www.spaceweather.com/java/sunspot.html http://solar-center.stanford.edu/cgi-bin/quiz2.pl/sunspot_quiz.html

Please send forms to:

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Greenbelt, Maryland 20771